



THE RARA RAG

Newsletter of The Rochester Amateur Radio Association, Inc.
Founded in 1931

RARA ANNUAL AUCTION

TIM GUYOT, KB1POP—RARA VICE PRESIDENT

One of our most popular events, the annual RARA Auction, is only a few days away on Wednesday November 1st. Each year I'm impressed by the variety of items, from a small box of toggle switches to contest-ready HF rigs, and everything remotely ham radio-related in between. Of course, I never go home empty-handed, and you shouldn't either.

Our entire meeting time will be dedicated to the auction; in fact, we'll be opening the doors early at 6:15 to let sellers bring in the treasures they're hoping to go home without. At 6:45 members not selling can begin perusing the items to see them up close before they hit the auction block starting around 7pm.

Speaking of the auction block, I'm excited to announce that our celebrity auctioneers Dick Goslee, KG2I and Ed Gable, K2MP will be back at it again using their incredible knowledge and a strong dose of humor to help sellers get top-dollar for their items. Whether it's a home-brew rig with no labels that they can fully explain after just a brief glance, or those "one-of-a-kind", "You'll never see another one like it" regen receivers that keep showing up each year, they've got it covered.



The auction is a members-only event (Members may bring one guest), so please renew your membership online if you haven't already. Our membership secretary, Tim Barrett, K9VB will be at the entrance checking membership, and helping members renew if they were unable to do so in advance.

Please join us and bring anything you have that's radio related that you don't need right now. It should be labeled with three important pieces of information:

- Your name & call
- A description (is it working?)
- Your desired starting price

Join in the fun! Even if you have nothing to sell, we can always use more bidders! The entertainment, the ad-hoc education, and the comradery make it a great way to spend an evening.

Procedural notes:

Sellers: Please bring a piece of cardboard to put under any item that could scratch the tables. Also, please note that the club will benefit by keeping 10% of the final sale price.

Buyers: Be aware that we can only accept cash.

Please join us on Wednesday November 1, 2017 at 7:00 PM in the Boy Scouts Building, 2320 Brighton—Henrietta Town Line Road, Brighton, NY 14623.

NOVEMBER 2017
VOLUME 70, ISSUE 3

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PREZ SEZ

FOREST SHICK, WA2MZG—RARA PRESIDENT

When members of the board get together, for one reason or another, we eventually have a discussion about what it takes to get on the air—meaning equipment. Equipment is probably the most important impediment to getting a new ham on the air. What are the necessary pieces of equipment starting with the radio and ending with the antenna?

The easy answer is a Baofeng for \$30.

I say that is as bad an answer as saying that you can take good photographs with your cell phone! There is more to photography than an image on a cell phone screen. There is more to ham radio than a \$30 Baofeng on a 2M repeater.

Let me walk you through my station from my HF rig to my antenna and itemize all the equipment in my system to operate HF.

Let's start with a few assumptions. The new ham wants to talk to hams outside of their immediate geographic area. So, 40 M dipole, basic radio, SSB is the desired mode of operation.

- HF Transceiver
 - Microphone
 - Speaker
- Power Supply
- Coax, with 2 connectors, between the radio and the amplifier with built in tuner and SWR bridge
- Amplifier
- Coax, with 2 connectors, between the Amplifier and the through the wall / window feedthrough
- Through the wall / window feedthrough to go from inside the house to outside the house
- Coax, with 2 connectors, between the through the wall / window feedthrough and the static / lightening protection
- Static / Lightening protection
- Coax, with 2 connectors, between the static protection and the feed point of the antenna
- Wire for the dipole
- Center insulator with coax connector
- 2 end insulators
- Rope to hang the antenna from trees or other structures
- Ground rod
- Ground clamp
- Ground wire

NOTE: That if an SWR Bridge and tuner are necessary, that also means at least one more coax with connectors.

So you see there are many, easily forgotten, pieces that make up a simple HF station. When a new ham is faced with the task of putting together a station, how often do they wonder "What should I buy?"

Now that you have read this list, it would be very interesting and very helpful to see your list. Please make a note of what you think is important, a luxury, frivolous and missing from my list. Please send your additions to [me](#). Maybe we can add a What The Beginner Needs web page to the RARA web site.

CALENDAR OF EVENTS

NOVEMBER 1ST - RARA General Meeting—Annual Members Only Auction
7:00 PM at BSA Headquarters, 2320 Brighton Henrietta Town Line Rd

NOVEMBER 2ND - RARA Board of Directors
5:45 PM

NOVEMBER RARa PUBLIC SERVICE EVENTS

Mike Moore, KC2NM, Public Service Coordinator

The Fairport Lift Bridge Regatta was held on Sunday Sept. 17 on the canal in Fairport. This crew racing event had 124 entries from 18 clubs, and included individuals not affiliated with clubs. The oldest racers were 71 years of age, and we had 541 participants racing. Weather conditions were perfect and ham radio volunteers provided safety and status communications along the route in addition to traffic advisories for other boats on the canal. A command post was set up at the



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Fairport Crew dock in the ARES trailer and Net Control coordinated simplex traffic from the hams stationed along the route, marine radio traffic forwarded from a support vessel, and crew club volunteers.

Thanks to KC2PCD, KD2BVT, KD2IFF, KC2NM, KC2UES (Co-Captain), KA8WJH (Co-Captain), N2UEE, and KD2IOB for making this event the success that it was !

RMSC: Holiday Science & Technology Days Tuesday - Saturday December 26-30

This activity is a great opportunity to expose kids and their families to ham radio. You may register to participate at the [Public Service Section](#) of the RARA website and click on the sign-up link.

Help Wanted: We are looking for an event captain to coordinate volunteers and demonstrations for the RMSC Holiday Science & Technology Days Tuesday. Contact KC2NM mikemoore@ieee.org.

Past Events: Pumpkin Patrol Oct. 30th and 31st along the New York State Thruway.

The Pumpkin Patrol event will be held as this article goes to press. It will be reported in the December RAG.

WHAT'S IN A PI?

Forest Shick, WA2MZG & Bill Hopkins, AA2YV

Try It - You'll Like It

If I ask you to imagine the taste of an apple pie, I could bet your Pavlovian taste buds would respond accordingly. Your ample experience with that culinary creation would give you away, because you probably like apple pie. That was my experience with the "Pi," a Raspberry, but in a different way.

I have spent many years at the bench working with 8, 16 and 32 bit microcontrollers – some of them DSP and ARM processors – and frankly, I wasn't at first thrilled with the Raspberry Pi phenomenon, first cooked up in 2012 somewhere in a British technology kitchen. Today, millions salivate, whenever they see the little computer, especially when it is spiced up with peripherals.

What happened? I saw the article in the April 2017 issue of QST Magazine that described running WSJT-X on a Pi. For those unaware, WSJT-X is a new software program for ham communication, using JT9, JT65 and other digital modes especially useful in weak-signal environments. So, why not? I took up the Raspberry Pi computing challenge; this technological world didn't seem especially daunting to me.

At this stage, I didn't think beyond possible uses for the Pi besides running WSJT-X. So I just ordered what I thought I would need – so much so, that I ended up with enough for two working Pi computers. (Haven't you done the same thing when ordering parts?) Now, one computer will run with WSJT-X, and the other is sitting here waiting for its own application.

I won't describe for you how to download the necessary software or to set up and run your own system; there are enough excellent websites out there that describe all this. Instead, I will give a list of the hardware I think you might purchase, based on my own experience. Additionally, I will list some websites that give you meaningful information. Speaking of meaningful information: don't be afraid to ask fellow hams. We have a lot of them in RARA and outside our region with great experience. As for me: I'm still a beginner. If you think this Pi and the WSJT-X mode could be for you, take a bite.

The Recipe

To get things moving, let's start with the websites I found that were useful for cooking up this Pi adventure. The best one of all is: <https://www.raspberrypi.org/>. This is the official Raspberry Pi Foundation website. It has everything from explanations, to instructions, to projects, to blogs. Read the site thoroughly before you begin, otherwise, you will just get your fingers messy with technology dough and not cook up anything. Begin with your head: read! Don't worry that the information is too in-depth. They've done an excellent job of "feeding" you knowledge, one bite at a time.

Other websites should be considered, because of their slightly different recipes – to keep the imagery unified here – can show you how others imagine how things are done with the Pi.

Here are some other web sites:

- The Pi Hut, at: <https://thepihut.com/>
- Adafruit Learning System, at: <https://learn.adafruit.com/>

WSJT-X MAGAZINE ARTICLES

QST April 2017, pg. 71
RadCom July 2017 pg. 40
RadCom August 2017 pg. 58
CQ August 2017 pg. 78
CQ September 2017 pg. 8 & 74
QST October 2017 pg. 30
RadCom October 2017 pg. 80
QST November 2017 pg. 34

- Raspberry Pi Spy, at: <https://www.raspberrypi-spy.co.uk/>
- Pimoroni, at: <https://shop.pimoroni.com/>
- ModMyPi, at: <https://www.modmypi.com/>
- CanaKit, at: <https://www.canakit.com/>
- Viaboot, at: <http://viaboot.com/>
- Element 14, at: <https://www.element14.com/community/docs/DOC-78156/raspberry-pi-7-touchscreen-display>

And finally, WSJT-X

- WSJT-X Home at: <https://www.physics.princeton.edu/pulsar/K1JT/wsjsx.html>
- Installation Instructions, at: <http://wsprnet.org/drupal/node/5567>

Ingredients

Here are items you may wish to purchase, what they are and their approximate cost. It's always worth hunting around to find deals or kits; you may reduce your costs. (This is part of the fun of cooking something up.)

What you'll need to get started:

- ♦ one Raspberry Pi 3 – the computer: \$40
- ♦ two heat sinks: \$3
- ♦ one 32 Gbyte, Class 10 micro SD Card: \$13 (you might already have one)
- ♦ one Pi case: \$8
- ♦ one 5-volt, 2.5A power supply with a micro USB connector: \$8
- ♦ a monitor (a TV with an HDMI input would work perfectly)
- ♦ a keyboard with USB connection
- ♦ a mouse

If you find the right kit (ca. \$50 and up), all items except the monitor, keyboard and mouse are included. Those kits come with the operating system already installed on the SD card (this becomes your hard drive), and a book of instructions. I purchased a kit from Viaboot and one from Canakit.

Don't let the book included in a kit make you think you now understand everything. Read the [Raspberry Pi Foundation](http://www.raspberrypi.org) web site first. Start with the [HELP](#) page. Then click on [GET STARTED WITH RASPBERRY PI](#). Everything you need to get started is explained there.

My First Pi

It was not burned at the edges, but on the other hand, it was not "well done" either. My goal in running the WSJT-X on the Raspberry Pi was to have a small computer to run with my Elecraft KX3. All I would need then was an LCD display and a small keypad.

Here's what I purchased:

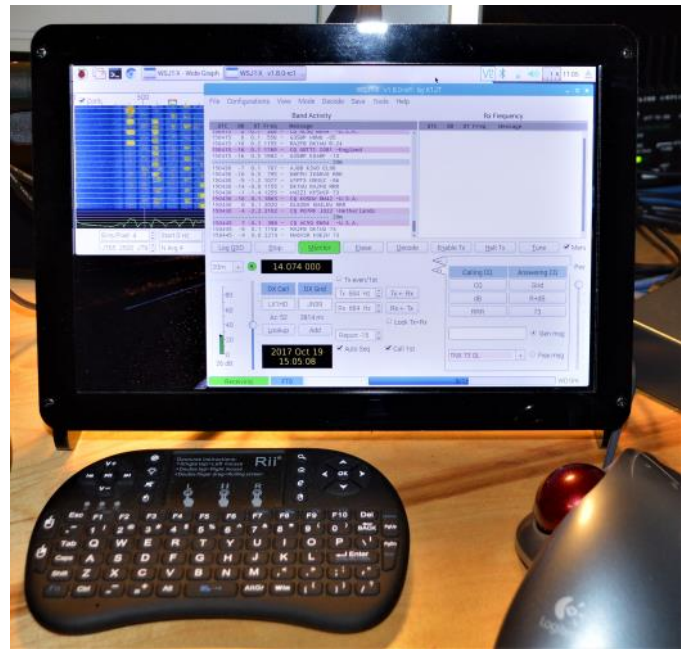
- ♦ Raspberry Pi 7-inch touchscreen display, 800 X 480 resolution: \$60
- ♦ Housing (There are many specifically designed for the LCD and Pi. The LCD with a touch screen eliminates the need for a keyboard and mouse: fantastic!)

The first Pi was very nice, except that the display orientation was upside down! I simply added `lcd_rotate=2` to the config file to correct that. (I found the instructions online.)



Sometimes a pie isn't big enough for all your ingredients. Ditto here with my WSJT-X program. It was larger than the display area that the LCD would permit. There seemed to be no obvious way to resize the form, nor could I find a method to redefine the displayed resolution. The solution was to contact the ham operator of the QST article. He gave me the link to the display he was using.

In the process of looking for a new display, I came across a 10-inch display that seemed to fit the bill – but – it was not a



touchscreen. In the end, I purchased the display and the necessary keypad, shown on the next page.

The Whole Pi

Putting the second Pi together was obviously easier than on the first try. Everything worked the first time out! - Hurrah for the Raspberry Pi! – The WSJT-X form fit the display. By simply

moving the USB connectors of my KX3 and my RigBlaster from my laptop to the Pi and by copying the set-up information for WSJT-X from the laptop to the Pi, I was operational on JT65.

The Cooking Moral

Now, I'm told that to make an honorable apple pie in a large glassware pie pan, you will need at least 45 minutes to do the preparation and then another 45 minutes to an hour to bake it. All you get out of it is about 8 pieces, and when it's eaten up, well, that's it. You'll have to start all over, if you want more. But with my recipe, you can have years of great fun. Get cooking.

JOTA

Stephen Fell,K2SRF



A special thanks to the following hams for their participation in the BSA JOTA event at Babcock Hovey scout camp:KC2TNO John Werner, KC2VCM Zach Werner , KB2KBY Dave Taylor , KC2DQS David Reussow , KC2NM Mike Moore , KT2I Steve Tylor. Weather was great ,over 2000 scouts in camp and all went well.



RARA RAGS OF THE PAST

Ed Gable, K2MP – RARA Club Historian

20 YEARS AGO, NOVEMBER, 1997

Program Chairman Rick Wells introduced Dick Goslee K2VCZ and Ed Gable K2MP, as the presenters of the November program. What on this planet could those guys talk about, you ask? Might it be the Annual RARA Auction? Well, yes, it was. Rick went on with good advice such as getting there early, looking over and becoming familiar with the items for sale and asking questions ahead of the auction. Similar advice for sellers; mark the item's identification, condition (like.. does it work) and a real minimum bid amount. At this time the auctions were held at the Henrietta Fire Hall and only RARA Members could participate. Membership Chairman Alex Piccirilli, NV2Y, says check your RARA Rag mailing label for your expiration date. President George Lloyd, N2UIO, reported that RARA is working with the Rochester Museum and Science Center to put on a semi-permanent Ham Radio display and demonstrations during the winter months. Keith Freeberg, N2BEL, is heading that planning group. Also announced by George was the formation of a RARA Hamfest Review Committee. That group, consisting of Rick W2RW, Bob KB2ZGN, Allen KB2VZE, Bob N2USB and Irv AF2K, were charged with creating an outline on how to organize such an enormous event and how to distribute the work. "Huntmasters" Judy Stonehill N2KXS and Fred Miller WO2P, filled over a full page describing in great and interesting detail the adventures of the Xerox Amateur Radio Club's Foxhunts. Dave Payne KA2J, wrote to report on the successful Henrietta Duathlon, thanks to ham volunteers; Phil N2GLU, Mike KB2CHP, George AA2FO and Roger WB2BWQ. With regret it was reported that Paul Brother AA2PH, Milton Salisbury WB2JFL, Sylvester Beganskas WB2DMW and Virgil Ansler Jr, KF2XT, were reported as Silent Keys. From the Want Ads you could buy a RTTY/CW computer interface by HAL from Wally Kincaid W2PG. Snyder and Snyder (Paul Snyder W2KFU) Attorneys at Law, remained long time commercial advertisers.



the RARA RAG

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ROCHESTER AMATEUR RADIO ASSOCIATION, INC.

VOL. 50 November 1997 NO. 3

Annual Auction - November 7th

by Rick Wells, W2RW

Our November meeting will be the annual RARA auction, so dust off the equipment that didn't sell at the hamfest and come on down! If you're looking for a nice, pre-owned radio with low mileage or a not-so-shiny "new" antenna, you'll be likely to find it on one of the tables.

Every once in a while someone brings up the subject of how much it costs to get into ham radio (and especially on HF). First of all, if you think amateur radio is expensive, try golf! Second, at last year's auction I watched as a few very serviceable HF transceivers went for \$100, \$200 and \$250 as I recall... a real buy, even for the seasoned veteran who wants an extra rig! Expect excellent buys on VHF/UHF transceivers, books, manuals, and associated pieces/parts of multitudinous varieties.

Your extremely knowledgeable auctioneers will be Ed Gable, K2MP and Dick Goslee, K2VCZ. These guys are not only entertaining in their own right but know the ins and outs of new and vintage gear. Don't let the fun and comedy of the auction overshadow the fact that these guys really know their stuff. Questions about rigs, antennas or operating practices? Bounce it off them before the action begins!

Doors will open at 7:00 PM. Sellers -- come early and setup your equipment on the tables. Buyers -- come anytime between 7 and 8 to check out the stuff and plan your bidding strategies. The action starts promptly at 8:00 PM and there will be no regular business meeting. This is a benefit to the club, so please respect the protocol of the evening by not making sales prior to the start of the auction, etc. This event is for fully paid members and their guests only. Please visit the membership renewal table inside the door if you haven't renewed for this season.

ANNUAL AUCTION

November 7th, 1997

RaRa MEETING

November 7, 1997
8:00 P.M.
Henrietta Fire Hall
3129 East Henrietta Road
Annual Auction

IS THIS YOUR LAST ISSUE OF THE RAG?

The membership period for RARA starts the first of September each year and continues through the end of August the following year. The final membership expiration each year is October 31, which includes a 2 month grace period for payment of your dues. Check the address label on your current issue of the RAG for your expiration date. If it shows OCT. 97 your dues have not yet been received for the year 1997-1998, and this will be your last issue of the RAG. You must be a current member of RARA to participate in the auction at the November meeting so now is a good time to send your check.

You may pay your dues at any RARA meeting or send them along with your membership application to RARA, P.O. Box 93333, Rochester, NY 14692-8333.

SILENT KEYS

Paul V. Brothers
AA2PH
September 29, 1997

Milton A. Salisbury
WB2JFL
October 10, 1997

Sylvester F. Beganskas
WB2DMW
October 10, 1997

Virgil Ansler, Jr.
KF2XT
October 10, 1997

40 YEARS AGO, NOVEMBER, 1977

This issue introduced, with words by Section Emergency Coordinator Jim Collinworth N2JC, one of the most significant Ham Radio emergency reporting systems known to exist. We knew and loved it as the "Fuzz Buzz" system. Jim took a page and a half to describe, in great detail, how amateurs should use the system. Simply, key up on 28/88, send tones 911, and you will be talking to a Monroe County dispatcher at Cobbs Hill. It was record breaking ham radio at its best and it was right here in Rochester, NY. Program Chairman Len Gesin, WA2ZNC, introduced the program that involved an organization that has full control over the very airwaves we use every day. No, not the FCC, they're important but small potatoes compared to the International Telecommunications Union, or ITU. The ITU controls the use of every hertz on the planet and all we do is say "yes sir, thank you sir." The November meeting brought an ARRL developed program describing ITU's function and how it affects us. Can you say 30, 17 and 12 meter WARC bands? RARA President Ed Gable K2MP, reported on the RARA K2JD Club station upgrades that included upgrading the station's SB-104 to a SB-104A version, the addition of a CW filter and duplication of HF antennas to allow more than one HF rig on-the-air simultaneously. The Rochester VHF Group announced their next guest would be Al Katz K2UYH, speaking on Moon Bounce techniques. RVHFG meetings were then held at RF Communications on University Avenue. From the Want Ads you could buy a Heathkit GR-1112 Speaker/telephone from Jerry Vogt WA2GCF. JR's, at 3537 Lake Avenue, Rochester, remained a commercial advertiser.

The RARA RAG

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Amateur Radio Emergency Alerting Service "Fuzz Buzz" Changes Operating Procedures

by Jim Collinworth, N2JC,
Section Emergency Coordinator

Through a cooperative arrangement with Monroe County, the 146.28/88 RARA repeater (WB2AEI) can be used by amateurs to report situations that involve protection of life or property directly to police or other emergency services.

Amateur radio users call the dispatcher at Monroe County Public Service Radio Center at Cobbs Hill. The dispatcher has immediate, direct access to virtually all area police, fire, ambulance and utility services (including city, county, State Police, and most adjacent county services).

Users should NOT test or ask for radio checks. All Fuzz Buzz communications are tape recorded. Abuse could result in loss of the service, as well as give amateur radio a bad reputation.

Use the Fuzz Buzz to summon aid needed to assist in protecting life and property. The judgement of need is essentially yours. For instance, need could involve a car stalled in a hazardous location where it could cause an accident, or need might include a malfunctioning traffic light. In another instance, a car might be stalled where no hazard exists and the occupants do not want assistance requested. Obviously, you should not place such calls through Fuzz Buzz.

HOW TO USE --

Announce your intentions to use "Fuzz Buzz". Let the repeater carrier drop in order to register it, then send 911 tones and say "Radio center, this is (your call)". Do not use phonetics unless the dispatcher requests them. The repeater transmitter will lock on for about two minutes--or until you turn it off with tones. You will not hear a carrier tail when "Fuzz Buzz" is in use. However, within a few seconds (less than 10) after activating Fuzz Buzz you will hear a CW code "AS" (which means "wait"). Repeated every few seconds until the dispatcher answers.

The dispatcher will acknowledge your call and ask for your information or he will send a 1500 Hz tone which means - WAIT - he is busy. Do NOT transmit until he asks for your information. (Continued on page 3)

NOVEMBER 4 MEETING PROGRAM

"I.T.U.", or International Telecommunications Union - What Does It All Mean?

by O. L. Gesin, also WA2ZNC

Our program features will be a slide and tape show from the facilities of A.R.R.L. The I.T.U. has jurisdiction over all the airways on the planet. That means the ham bands also. The program will present the methods of madness of our representatives and other representatives from all the other countries in our world. Some of the many questions that will be answered are: what position of the spectrum goes to who; also, for what purposes.

If you would like to know how and why our frequencies are what they are come to our meeting November 4th the Monroe County Farm and Home Center on Highland Avenue. The meeting starts at eight o'clock, refreshments and fellowship follow.

73
Zero's never count

DUES DUE ???

The expiration date for all memberships in RARA is October 31. Many have already renewed, and we are glad to have you back. It gives an especially good feeling to see the many old hands (or fists) among the new members.

Dues are only \$6.00 for regular, \$3.00 for associate. Family membership is available for \$1.00 above the cost of the regular full privilege fee.

Our membership committee is headed by Bob Erskine, W2NVZ. Both he and Irv Goodman, W2WCE, have set up a table at the next meetings of the VHF Group and the RARA in addition to their regular presence at the RARA meetings. Thanks to these fellows it has become very convenient to renew or join.

K2JD NOTICE

An antenna party is desired before our snow begins to accumulate. Most materials are on hand so what's needed is personal assistance (your body). Contact WA2EKR, Ed Holdsworth, who will set the date and details.

VE TEAM

The next **ALWAYS FREE** testing session:

Saturday November 18th

Rochester Institute of Technology

Kate Gleason College of Engineering

Gleason School of Engineering

Room 3139, Bldg. 9

Use "J" parking lot

Registration at 9:45AM

Testing at 10:00AM

You do not have to preregister.

To avoid giving your SSN go to:

<http://wireless.fcc.gov/uls/index.htm?job=home>

Register and bring the resultant FRN.

For more info:

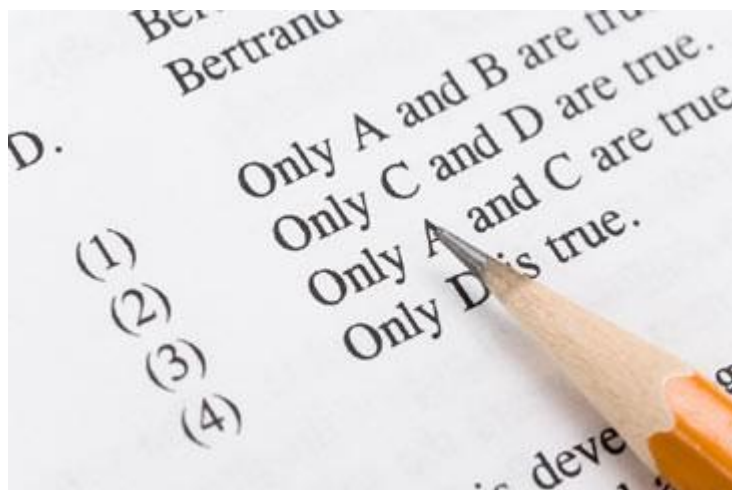
<https://www.laurelvec.com/?team=RARA>

Don Kiser - AC2EV

RARA Board member

VE Team Leader

585-613-1035



Luke Hawley	KD2OJV	T	James Maggio	KD2OKA	T
Bruce Genut	KD2OJW	T	Kathleen Doell	KD2OKB	T
Nathaniel Koschara	KD2OJX	T	Erik Rockwell	KD2OKC	T
Trenton Witham	KD2OJY	T	John Crannel-Ash	KD2OKD	T
John Kotler III	KD2OJZ	T	Shawn Dick	KD2OKE	T

New licensees names are in **BOLD**

Silent Key

Curtis Braun
N2HKD

October 14, 2017

RaRa CALENDAR

Tim Barrett, K9VB

November 2017						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1 RaRa Annual Auction 7:00pm, BSA HQ, B'ton Henrietta TLR ROC City Net 8:00pm 3.826 MHz UKEICC 80M Contest	2 RaRa BoD Meeting 5:30pm, BSA HQ, B'ton Henrietta TLR NCCC Sprint NRAU 10M Contest	3 ASRAS Monthly Meeting 7.30pm, Gosnell Bldg, RIT	4 AWA Museum Open 1:00 – 5:00pm IPARC Contest CW Ukranian DX Contest ARRL Sweepstake CW
5 ARRL EME Contest IPARC Contest SSB Ukranian DX Contest ARRL Sweepstake CW EANET Sprint	6	7 Phone Fray QRP Fox Hunt	8 ROC City Net 8:00pm 3.826 MHz SIARC 7.30pm	9 NCCC Sprint QRP Fox Hunt	10	11 AWA Museum Open 1:00 – 5:00pm WAE DX Ctst RTTY 10-10 Int Ctst DIGITAL JIDX Contest PHONE OK/OM Contest CW Kentucky QSO Party CQ-WE Contest
12 WAE DX Ctst RTTY 10-10 Int Ctst DIGITAL JIDX Contest PHONE OK/OM Contest CW Kentucky QSO Party CQ-WE Contest	13	14 Phone Fray QRP Fox Hunt	15 ROC City Net 8:00pm 3.826 MHz	16 NCCC Sprint QRP Fox Hunt	17 YO PSK31 Contest	18 AWA Museum Open 1:00 – 5:00pm SARL Field Day LZ DX Contest Austrian 160M Contest REF 160M Contest RSGB 160M Contest ARRL Sweepstakes SSB
19 SARL Field Day LZ DX Contest Austrian 160M Contest REF 160M Contest ARRL Sweepstakes SSB	20	21 Phone Fray QRP Fox Hunt RDXA 7.30pm	22 ROC City Net 8:00pm 3.826 MHz RSGB 80M Series SSB	23 NCCC Sprint QRP Fox Hunt ARES Monthly Mtg Red Cross, Prince St	24	25 AWA Museum Open 1:00 – 5:00pm CQ WW DX Contest
26 CQ WW DX Contest	27	28 Phone Fray QRP Fox Hunt	29 UKEICC 80M Contest	30 NCCC Sprint QRP Fox Hunt RSGB 80M Series CW		

Print this calendar and leave it by your radio.

SAVE THE DATES

Winterfest - Saturday February 10, 2018 - Stewart Lodge, Mendon Ponds Park

Picnic - Saturday July 14, 2018 - Stewart Lodge, Mendon Ponds Park

Banquet - Friday September 21, 2018- Burgundy Basin Inn

NEWS FROM AREA CLUBS

MONROE COUNTY ARES / RACES NEWS

The Monroe County Amateur Radio Emergency Service, Inc. holds its meetings on the fourth Thursday of each month except for the month of November during which we meet on the third Thursday to celebrate Thanksgiving Holiday. Anyone interested, members and non-members, are welcome to attend.



There are 2 changes to accommodate the Holiday season:

- The November meeting will be held on November 16.
- There will not be a meeting in December.

The next ARES Meeting will be held on: **Thursday, November 16, 2017, at 6:00 PM.**

Meetings are held at the **Greater Rochester Chapter of the American Red Cross HQ, 50**

Prince Street, Rochester, NY 14607. (Located behind the Rochester Auditorium Theatre, 885 Main St. E.)

ARES NET:

Monroe County ARES/RACES meets on the air every Thursday of the month at 7:00 pm, on the 146.61 MHz (-) 110.9 Hz PL repeater. The only exception to that are nights when we hold our regular meeting, generally on the 4th Thursday of the month.

WEB: www.monroecountyemcomm.org

Severe Weather Alerts:

Winter brings severe weather in the form of heavy snow and strong winds. If you experience severe weather, especially when accompanied by damage to property in your area, listen to your local ARES/RACES repeaters for information. While official ARES/RACES activation could be a possibility, it is more important that we open a spontaneous net simply to share information about weather conditions in your immediate area. Don't wait for someone else to do it. Pick up the microphone and start a net. Have each check-in station give you a situational awareness report and emergency power report. If you don't have a copy of the directed net protocol, you can find one at the WEB address listed above. (Activities/ARES Net/ Net Script/ Downloads)

NBEMS:

Want to learn about Narrow Band Emergency Messaging System (NBEMS)? It's the latest and easiest way to "Go Digital!" Bring your laptop computer and 2-M handheld transceiver. We will conduct an NBEMS clinic after every meeting through June 2018.

ROCHESTER DX ASSOCIATION, RDXA

RDXA meets the 3rd Tuesday of every month (September through May) except for December, which is the Annual Holiday Banquet. Meetings are open to everyone and all are encouraged to attend.

Meetings are held at the Monroe County EOC 1190 Scottsville Rd. (second floor), Rochester, NY 14624 at 7:30PM.



Monthly programs are announced in the official RDXA newsletter or on the website at www.RDXA.com

Though in the 70's and bright sunshine, it's time to start thinking about the RDXA Annual Holiday Dinner. This yearly event will be held on Tuesday 19 December at Rick's Prime Rib on 898 Buffalo Rd.

This event is open to all "hams" and associates; come and recount the first few "contests" of the season as well as your plans for 2018!

Reservations by 11 December to RDXABANQUET@RDXA.COM Chris, K2CS President, Rochester DX Association (our 70th year)

ROCHESTER RADIO REPEATER ASSOCIATION, RRRRA

The Rochester Radio Repeater Association, RRRRA invites you to attend its November 17th 2017 meeting. Meetings are held on the 3rd Friday of the month in the Pittsford Town Hall Basement starting at 7:30 pm. November's meeting theme will be bring your radio and we will check its performance. Experts on hand will be Bob Shewell and Bob O'Dell. We will supply the test equipment and the tools. The RRRRA officers are Bob Shewell, N2HJD President, Bob Odell, N2BZX Vice President, ED Wilkonski, KC2WM Secretary, and Bob Smith, NS2B-Treasurer / Membership Chairman. RRRRA also accepts donations to the club. If you are not currently a member and want to support RRRRA, you can join at our monthly meeting or on our web site www.k2rra.org

ROCHESTER VHF GROUP

The Rochester VHF Group sponsors an informal On-Air Net every Monday at 2100 local time on 144.260 MHz USB and a 6 Meter Net every Thursday at 2100 local on 50.200 MHz USB.

More club information can be found by visiting www.rvhfg.org or just calling in any Monday or Thursday night. All are welcome to check in to these nets.

XRX AMATEUR RADIO CLUB

The next meeting of the XRX Amateur Radio Club will be at 6PM on November 9, at the Webster Recreation Center. We are also putting on a Fox Hunt on October 28th. For more info check <http://xarc.us>

SQUAW ISLAND AMATEUR RADIO CLUB, SIARC

The Squaw Island Amateur Radio Club (SIARC) meets every second Wednesday of the month at 7:30PM at the Ontario County Safety Training Facility, 2914 County Road 48, Town of Hopewell. We have License Exam Testing every other month which begins at 6:30PM. The next meeting will be November 8th. There will be License Exam testing this month starting at 6:30PM. 73's Steve Benton VP SIARC WB2VMR

AMATEUR RADIO ASSOCIATION OF THE SOUTHERN TIER

ARAST meets the third Thursday of every month at the Town & Country Fire house in Horseheads. C-CARES meets the first Tuesday of the month except February. C-CARES covers the entire area in Chemung, Schuyler and Steuben Counties and everyone is welcome.

Don't forget to mark your calendars for next years hamfest September 29, 2018 located at the Chemung County Fairgrounds in Horseheads, NY. Tickets will be available from any board member and online at our website as we get closer to the venue date.

Our website is almost complete undergoing construction. I understand that until the re-write is complete, it will still be usable. Look for the transition to take place after the Wineglass Marathon So go ahead and check out our website at www.arast.org.

Don't forget to check out our repeaters when you come into the area: The N3AQ 147.36(+); W2ZJ-V 146.70(-); W2ZJ-U 444.900(+). No PL tones are required to use our repeaters.

COMMUNITY AMATEUR RADIO CLUB, CARC

If you are interested in being a part of this forward thinking and active club, visit us at a meeting or join us on one of our weekly nets. We meet at the Hoag Library (134 S. Main St. Albion, NY) on the first Saturday of each month at 7pm. Each meeting has a brief training/refreshers period with upcoming topics including: net protocol, repeater set-up/maintenance, and digital signaling. The club holds a net every Sunday evening at 8pm (winter) and 9pm (summer) - 0100 UTC Monday - on 147.585 simplex, and we host the Thursday Night Social Net, Thursday at 8:30pm on 147.285+. We'd love to hear you check-in! Take a look at the club website for more info: www.k2srv.org

DIGITAL COMMUNICATIONS ASSOCIATION OF PERINTON, DCAP

DCAP members continue to experiment with leading edge digital communications modes. We were formed in 1994 to foster the development of local and regional packet radio networks using AX25 and TCP/IP. Today we have members using the club sponsored DSTAR repeater (KB2VZS on 444.8MHz), several personal and public [DSTAR hotspots](#) (using the dvprtr board), Yaesu fusion systems on non-club repeaters and DMR. The last mode is being enjoyed locally through a [DV-Mega-Raspberry Pi](#) combination. DCAP meets for breakfast at 7am nearly every Saturday morning at [Rikki's Family Restaurant](#) in Fairport and everyone is welcome to join us. Talk in is on the KB2VZS analog repeater on 146.715MHz with a PL of 110.9 Hz.

WESTSIDE AMATEUR RADIO CLUB

The mission of the Westside Amateur Radio Club is to provide emergency communications services to the community, to assist other civic organizations, to promote the technical craft of amateur radio through class training and testing, to mentor new members, and enhance fellowship among radio amateurs.

The Westside Amateur Radio Club meets on the second Wednesday of the month at the Chili Public Library. The Library is located at 3333 Chili Ave, Rochester, NY 14624.

The talk in repeater for all meetings is the K2RWC Repeater 146.700MHz - 110.9
Website: <http://WestsideAmateurRadio.club>

INTERLOCK ROCHESTER - K2HAX - ROCHESTER'S HACKERSPACE

Interlock Rochester is open most every Tuesday night at 7pm. We're in the Hungerford Building (1115 East Main Street, Rochester NY), just north of Village Gate. Come to Door #7 (to the left of Comics Etc) and buzz Suite 200. Want to know more? Visit our website at <http://www.interlockroc.org/>, contact us at info@interlockroc.org, or find us in #interlock on Freenode IRC.

GENESEE VALLEY AMATEUR RADIO ASSOCIATION

Email n3dsp@lafireline.net for details.

ROCHESTER MAKERSPACE

The Rochester Makerspace is located at the rear of 850 St. Paul Street in almost 4,000 square feet of workspace. We are a volunteer-run 501c(3) nonprofit organization and our mission is to encourage learning, creativity and collaboration. We do that by providing low-cost and free access to sophisticated tools, offering a wide variety of classes, and by providing opportunities for "makers," artists and crafts persons of all kinds to meet and learn from each other.

Drop in to explore, learn and make at our weekly open house:

Every Thursday Night, 6 to 10 PM – Weekly Community Night & Open House

Every Saturday, 11 AM to 3 PM – Weekly Community & Open House

Park in the lot at Scrantom St. and Conkey Ave. and follow the signs.

Every Thursday Night, 7 to 9:30 PM – Microcontrollers & Robotics Meetup

A ham bench is set up with a 2 meter FM radio and a laptop with websdr. Waiting for nicer weather to install outside antennas for the Heathkit HW101 transceiver and Kenwood all mode 2 meter transceiver. Donations of ham equipment accepted.

For more information visit Rochestermakerspace.org

ASTRONOMY SECTION ROCHESTER ACADEMY OF SCIENCE

November Monthly Meeting—Farash Center

Friday, November 3 7:00 PM–10:00 PM

Long Talk by Adam Frank Professor of Astrophysics, University of Rochester

Short Talk: Pouya Tanouri

Short Talk: Ted Lechman "Knitting to the Moon"

Member presentations on the Great American Eclipse

RIT Gosnell Hall Room A 300

ASRAS Board Meeting—Farash Center

Monday, November 6 7:00 PM – 9:00 PM

UR Bausch Bldg. 4th floor Chart room

RAS Fall Scientific Paper Session

Saturday, November 11 8:30 AM–2:00 PM

St. John Fisher College

December Holiday Party—Strasenburgh Planetarium

Friday, December 1 7:30 PM–10:00 PM

Strasenburgh Planetarium 663 East Ave Rochester

ASRAS Board Meeting—Farash Center

Monday, December 4 7:00 PM – 9:00 PM

UR Bausch Bldg. 4th floor Chart room

Strasenburgh Planetarium Telescope Operation

Clear Saturday nights – see website for current times

For more information visit <http://www.rochesterastronomy.org/>

THE AMATEUR'S CODE

Originally written by Paul M. Segal, W9EEA (1928)

THE RADIO AMATEUR IS:

CONSIDERATE	Never knowingly operating in such a way as to lessen the pleasure of others.
LOYAL	Offering loyalty, encouragement and support to other amateurs, local club, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.
PROGRESSIVE	With knowledge abreast of science, a well built and efficient station and operation beyond reproach.
FRIENDLY	With slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit.
BALANCED	Radio is an avocation, never interfering with duties owed to family, job, school or community.
PATRIOTIC	With station and skill always ready for service to country and community.

VISIT THE RARA WEBSITE!

Did you know that your club's website (www.rochesterham.org) offers these features and more?

- Photos of meetings & events (you might be in there!)
- Info on upcoming meetings/programs
- Rochester Hamfest information!
- Online membership & renewal
- Track and redeem your Reward Points
- Public service info & sign-up
- VE testing info
- Back issues of the RAG in PDF
- Officer contact
- List of past presidents
- Online membership directory
- Order RARA logo products
- Useful Internet links
- Ham Radio 101 – tons of tutorial info, plus net & repeater listings



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	- 2 x 7.3	\$300
Half Page	- 4.2 x 7.3	\$600
	- 8.6 x 3.5	\$600

The above prices are **per year** - not per month as is typical in other publications.

Your advertisement will be seen by amateurs in Rochester, Monroe County, New York State, the United States and even the rest of the world. RAG circulation is approx. 4,000.

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OFFICERS

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DECEMBER RAG DEADLINE

NOVEMBER 15, 2017



**RARA meets at 7PM on the
first **Wednesday** of each
month. Join us at:**

Seneca Waterways Council, BSA Headquarters
2320 Brighton Henrietta Town Line Rd
Rochester, New York 14623

Get Directions

Rochester Area Repeater Listing

THE RARA RAG

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